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April 10, 2001
11:59 AM

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TO: Bradley L. Sisson
Primary Patent Examiner

FIRM: USPTO

FACSIMILE NO.: Group 1650 Fax Numbers
(703) 308-4242 or (703) 305-3014

FROM: Dan Hart

CLIENT CODE: GENSET.020APC

PAGES: 14 (INCLUDING THIS SHEET)

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MESSAGE:

As we recently discussed, attached please find an Amendment containing the claims we discussed in our telephonic interview on March 29, 2001. I will call you to confirm your receipt of this fax.

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PATENT

Case Docket No. GENSET.020APC

Date: April 10, 2001

Page 1

In re application of : Cohen, et al.
 App. No. : 09/463,075
 Filed : January 14, 2000
 For : BIALLELIC MARKERS FOR
 USE IN CONSTRUCTING A
 HIGH DENSITY
 DISEQUILIBRIUM MAP OF THE
 HUMAN GENOME
 Examiner : B. Sisson
 Art Unit : 1655

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April 10, 2001

(Date)

Daniel Hart
 Daniel Hart, Reg. No. 40,637

ASSISTANT COMMISSIONER FOR PATENTS
 WASHINGTON, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated as shown below:

CLAIMS AS FILED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
Total Claims	20	38	= 0 ×	\$18	= \$0
Independent Claims	1	3	= 0 ×	\$80	= \$0
If application has been amended to contain multiple dependent claim(s), then add				\$270	= \$0
Time Extension Fee					\$0
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0

- (X) Please charge any additional fees, including any fees for additional extension of time, or credit
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Daniel Hart
 Daniel Hart
 Registration No. 40,637
 Attorney of Record

GENSET.020APC

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Cohen et al.)	Group Art Unit 1655
)	
Appl. No.	:	09/463,075)	CERTIFICATE OF FAX TRANSMISSION
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Filed	:	January 14, 2000)	I hereby certify that this correspondence and all
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		HIGH DENSITY)	<i>Daniel Hart</i>
		DISEQUILIBRIUM MAP OF)	Daniel Hart, Reg. No. 40,637
		THE HUMAN GENOME)	
Examiner	:	B. Sisson		

AMENDMENT AND RESPONSE TO OFFICE ACTION

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action mailed January 10, 2001 in the above-identified application, please amend the application as follows.

IN THE SPECIFICATION:

Please replace the paragraph beginning on page 17, line 5 with the following paragraph:

Alternatively, the genomic DNA may be inserted into BAC vectors which possess both a high copy number origin of replication, which facilitates the isolation of the vector DNA, and a low copy number origin of replication. Cloning of a genomic DNA insert into the high copy number origin of replication inactivates the origin such that clones containing a genomic insert replicate at low copy number. The low copy number of clones having a genomic insert therein permits the inserts to be stably maintained. In addition, selection procedures may be designed which enable low copy number plasmids (i.e. vectors having genomic inserts therein) to be selected. Such vectors and selection procedures are described in the U.S. Patent Application